(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Palo Alto County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	s
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
: Okoboji	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
4: Estherville	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
4B: Estherville	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
4C2: Estherville	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
5: Nicollet	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.02	Somewhat limited Deep to water Slow refill	0.68
2C: Storden	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Cutbanks cave Very limited Deep to water	1.00
2D: Storden	Somewhat limited Seepage Slope	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
ZE: Storden	Somewhat limited Seepage Slope	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
2F: Storden	Somewhat limited Seepage Slope	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
2: Estherville	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00

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Palo Alto County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
72B: Estherville	- Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
73C: Salida	- Very limited Seepage	1.00	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00
90: Okoboji	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
95: Harps	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
107: Webster	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
133: Colo	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
133B: Colo	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
138B: Clarion	- Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
138C: Clarion	- Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
138C2: Clarion	- Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00

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Palo Alto County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	.s
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
138D2: Clarion	Somewhat limited Seepage Slope	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
L41: Watseka	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00	Very limited Cutbanks cave Deep to water	1.00
150: Hanska	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00	Very limited Cutbanks cave	1.00
172: Wabash	Not limited		Very limited Depth to saturated zone Hard to pack	1.00	Very limited Slow refill Cutbanks cave	1.00
L81B: Clarion	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
81C2: Clarion	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
203: Cylinder	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.85	Very limited Cutbanks cave Deep to water	1.00
221: Palms	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
224: Linder	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	1.00	Very limited Cutbanks cave Deep to water	1.00

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Palo Alto County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
253C: Farrar	Very limited Seepage	1.00	Somewhat limited Piping Seepage	0.88	Very limited Deep to water	1.00
259: Biscay	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00	Very limited Cutbanks cave	1.00
274: Rolfe	Somewhat limited Seepage	0.57	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
308: Wadena	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
324: Dickman	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
324B: Dickman	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
339: Truman	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.96	Very limited Deep to water	1.00
339B: Truman	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.96	Very limited Deep to water	1.00
854: Marsh	Not rated		Not rated		Not rated	
390: Waldorf	Somewhat limited Seepage	0.57	Very limited Depth to saturated zone Hard to pack	1.00	Somewhat limited Slow refill Cutbanks cave	0.43

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Palo Alto County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
85: Spillville	- Very limited Seepage	1.00	Somewhat limited Piping	0.88	Somewhat limited Deep to water Cutbanks cave	0.81
85B: Spillville	- Very limited Seepage	1.00	Somewhat limited Piping	0.88	Somewhat limited Deep to water Cutbanks cave	0.81
06: Wacousta	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
07: Canisteo	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
11: Blue Earth	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
59: Talcot	- Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00	Very limited Cutbanks cave	1.00
85B: Colo	- Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
38B: Clarion	- Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
39C: Storden	- Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00

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Palo Alto County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	.s
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
639D: Storden	Somewhat limited Seepage Slope	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
639E: Storden	Somewhat limited Seepage Slope	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
655: Crippin	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.50	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25
658: Mayer	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00	Very limited Cutbanks cave	1.00
733: Calco	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00	Somewhat limited Slow refill Cutbanks cave	0.30
823: Flagler Variant	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
823B: Flagler Variant	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
895: Mayer	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00	Very limited Cutbanks cave	1.00
C485: Spillville	Very limited Seepage	1.00	Somewhat limited Piping	0.88	Somewhat limited Deep to water Cutbanks cave	0.81

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Palo Alto County, Iowa

1		levees		excavated pond	and value va	
Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	
Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00	Somewhat limited Slow refill Cutbanks cave		
Not rated		Not rated		Not rated		
	Somewhat limited Seepage	Somewhat limited Seepage 0.70	Somewhat limited Seepage 0.70 Very limited Depth to saturated zone Hard to pack	Somewhat limited Seepage 0.70 Very limited Depth to saturated zone Hard to pack 0.70	Somewhat limited Seepage    Somewhat limited Seepage   0.70   Very limited Depth to saturated zone Hard to pack   0.70   Cutbanks cave   Cutbanks cave   1.00	